| Project Title  | Funding     | Strategic Plan Objective                  | Institution   |  |
|--|-------------|---|---|--|
| The neural substrates of repetitive behaviors in autism  | \$42,111    | Q2.Other Boston University Medical Campus |   |  |
| Autism: The neural substrates of language in siblings  | \$56,955    | Q2.S.G                                    | Boston University Medical Campus                            |  |
| Towards an endophenotype for amygdala dysfunction  | \$384,145   | Q2.Other                                  | California Institute of Technology                          |  |
| Simons Variation in Individual Project (Simons VIP) Core Leader Gift   | \$24,731    | Q2.S.G                                    | Children's Hospital Boston                                  |  |
| Functional imaging of flexibility in autism: Informed by SLC6A4  | \$128,971   | Q2.S.G                                    | Children's Research Institute                               |  |
| Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift                                       | \$54,823    | Q2.S.G                                    | Columbia University   |  |
| Language processing in children with 22q11 deletion syndrome and autism  | \$30,000    | Q2.S.G                                    | Emory University  |  |
| Simons Variation in Individuals Project (Simons VIP)   | \$181,357   | Q2.S.G                                    | Emory University  |  |
| Creating a specimen bank of neurotypical individuals   | \$12,000    | Q2.Other                                  | Health Research Institute                                   |  |
| /accination with regression study  | \$16,258    | Q2.S.F                                    | Kaiser Permanente Georgia                                   |  |
| Neural correlates of restricted, repetitive behaviors in autism spectrum disorders                                     | \$491,909   | Q2.S.G                                    | Massachusetts General Hospital                              |  |
| Neural correlates of restricted, repetitive behaviors in autism spectrum disorders                                     | \$171,842   | Q2.S.G                                    | Massachusetts General Hospital                              |  |
| Autistic endophenotypes and their associations to oxytocin and cholesterol   | \$84,750    | Q2.Other                                  | Mount Sinai School of Medicine                              |  |
| Identifying brain-based biomarkers for ASD & their biological subtypes   | \$1,224,886 | Q2.Other                                  | New York State Psychiatric Institute                        |  |
| A family-genetic study of language in autism   | \$321,304   | Q2.S.G                                    | Northwestern University                                     |  |
| A multigenerational longitudinal study of language development: Insight from autism                                    | \$108,904   | Q2.S.G                                    | Northwestern University                                     |  |
| Behavioral and genetic biomarker development for<br>autism and related disorders                                       | \$494,132   | Q2.S.G                                    | Rutgers, The State University of New Jersey - New Brunswick |  |
| inking local activity and functional connectivity in autism  | \$369,635   | Q2.Other                                  | San Diego State University                                  |  |
| The genetic basis of mid-hindbrain malformations   | \$773,002   | Q2.S.G                                    | Seattle Children's Hospital                                 |  |
| A neuroimaging study of twin pairs with autism   | \$632,389   | Q2.S.G                                    | Stanford University   |  |
| Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates | \$28,000    | Q2.S.G                                    | State University of New York Upstate Medical University     |  |
| nterdisciplinary investigation of biological signatures of autism subtypes   | \$1,398,688 | Q2.L.A                                    | University of California, Davis                             |  |
| Genotype-phenotype relationships in fragile X families   | \$535,019   | Q2.S.D                                    | University of California, Davis                             |  |
| ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition                         | \$325,302   | Q2.S.G                                    | University of California, Los Angeles                       |  |
| Neural and phenotypic correlates of autism risk genes  | \$545,057   | Q2.S.G                                    | University of California, Los Angeles                       |  |
| Relating copy number variants to head and brain size in neuropsychiatric disorders                                     | \$99,862    | Q2.S.G                                    | University of California, San Diego                         |  |

| Project Title  | Funding   | Strategic Plan Objective | Institution                                 |  |
|--|-----------|--------------------------|---|--|
| Simons Variation in Individuals Project (Simons VIP)<br>Core Leader Gift   | \$38,941  | Q2.S.G                   | University of California, San Francisco     |  |
| The genetic link between autism and structural cerebellar malformations  | \$0       | Q2.S.G                   | University of Chicago                       |  |
| Gamma band dysfunction as a local neuronal connectivity endophenotype in autism  | \$78,797  | Q2.Other                 | University of Colorado Denver               |  |
| MEG investigation of phonological processing in autism   | \$28,000  | Q2.Other                 | University of Colorado Denver               |  |
| Genetic dissection of restricted repetitive behavior (RRB)   | \$179,219 | Q2.S.G                   | University of Florida                       |  |
| Autism: Neuropeptide hormones and potential pathway genes (supplement)   | \$54,000  | Q2.S.G                   | University of Illinois at Chicago           |  |
| ACE Center: Genetics of serotonin in autism:<br>Neurochemical and clinical endophenotypes                                | \$382,540 | Q2.S.G                   | University of Illinois at Chicago           |  |
| Autism: Neuropeptide hormones and potential pathway genes  | \$184,353 | Q2.S.G                   | University of Illinois at Chicago           |  |
| Neural correlates of serotonin transporter gene polymorphisms and social impairment in ASD                               | \$92,811  | Q2.S.G                   | University of Michigan                      |  |
| fMRI evidence of genetic influence on rigidity in ASD  | \$0       | Q2.S.G                   | University of Michigan                      |  |
| Functional neuroimaging of psychopharmacologic intervention for autism   | \$158,810 | Q2.L.B                   | University of North Carolina at Chapel Hill |  |
| A family-genetic study of language in autism   | \$208,064 | Q2.S.G                   | University of North Carolina at Chapel Hill |  |
| An investigation of the overlap of autism and fragile X syndrome   | \$74,000  | Q2.S.G                   | University of North Carolina at Chapel Hill |  |
| Neural circuitry of social cognition in the broad autism phenotype   | \$411,039 | Q2.S.G                   | University of North Carolina at Chapel Hill |  |
| A multigenerational longitudinal study of language development: Insight from autism                                      | \$92,000  | Q2.S.G                   | University of North Carolina at Chapel Hill |  |
| A study of autism  | \$291,461 | Q2.L.B                   | University of Pennsylvania                  |  |
| Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes | \$150,000 | Q2.S.G                   | University of Washington                    |  |
| ACE Center: Genetic contributions to endophenotypes of autism  | \$569,673 | Q2.S.G                   | University of Washington                    |  |
| Simons Variation in Individuals Project (VIP) Site   | \$118,142 | Q2.S.G                   | University of Washington                    |  |
| Psychobiological investigation of the socioemotional functioning in autism   | \$348,750 | Q2.Other                 | Vanderbilt University                       |  |
| Neurogenic growth factors in autism  | \$112,494 | Q2.S.G                   | Yale University                             |  |
| Longitudinal neurogenetics of atypical social brain development in autism  | \$292,163 | Q2.S.G                   | Yale University                             |  |